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Date: Thursday, 1/17/2008 3:30:20 PM  
 User: Kim Johnston

## Process Sheet

Customer : CU-DAR001 Dart Helicopters Services Drawing Name : BASKET QUICK REALEASE 350/355  
 Job Number : 36838  
 Estimate Number : 10241  
 P.O. Number :  
 This Issue : 1/17/2008 S.O. No. :  
 Prsht Rev. : \*NC Part Number : DSI 9052011  
 First Issue : / / Type : PURCHASED PARTS Drawing Number : DSI 9052 REV D  
 Previous Run : 36614 Project Number : N/A  
 Material :  
 Due Date : 1/24/2008 Qty: 5 Um: Each  
 Written By :  
 Checked & Approved By :  
 Comment : Est Rev: A 02.05.15 New Issue NG

## Additional Product

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 DC DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Photocopy bluefile &amp; type labels per PPP 9052-011 CHG001

08.02.11

2.0 PACKAGING 1 PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Pick Packing Kit

3.0 BLRS010 Pip Pin



Comment: Qty.: 4.0000 Each(s)/Unit Total : 20.0000 Each(s)

Pick:

Qty Part Number

Description

Batch

4 BLRS-010

Quick Release Pin (1" grip)

M107043 10x

M106439 10x

PC 1/2/11 (5)

4.0 QC4 INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

5.0 PACKAGING 1 PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D9052-011

Location: \_\_\_\_\_

PC 1/2/11 (5)

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA: ☒ Date: 08/02/11  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Thursday, 1/17/2008 3:30:20 PM  
User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BASKET QUICK REALEASE 350/355

Job Number: 36838

Part Number: DSI 9052011

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC21

FINAL INSPECTION/W/O RELEASE



(B)

Comment: FINAL INSPECTION/W/O RELEASE

AD0810211

Job Completion



u 08102-11

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**DART**

DESIGN #	DRAWN BY #	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. DSI 9052	REV. D SHEET 1 OF 1
DATE 04.03.23		TITLE QUICK PIN REPLACEMENT	SCALE NTS
A	96.11.04	NEW ISSUE	
B	96.11.13	ADD PART NUMBERS	
C	03.12.11	ADD DSI 9052-013	
D	04.03.23	ADD CLAMPS ONLY NOTE	

## **DART SERVICE INSTRUCTION**

**TO AMEND INSTALLATION INSTRUCTIONS D350-607 REV. F**  
(REF. CANADIAN STC: SH94-14, REF. FAA STC: SR00213NY)  
**AND TO AMEND INSTALLATION DRAWING D350-602 REV. D**  
(REF. CANADIAN STC: SH93-97, REF. FAA STC: SR01144NY)

**PURPOSE: TO ALLOW SUBSTITUTION OF THE BASKET/POD ATTACHMENT BOLTS WITH QUICK RELEASE PINS**

THE AN4-12A & AN4-16A BOLTS USED ON D2230-1 CLAMPS MAY BE REPLACED WITH STAINLESS STEEL POSITIVE LOCKING QUICK RELEASE PINS WITH A MINIMUM DOUBLE SHEAR STRENGTH OF 2400 LBS AND 0.25 INCH DIAMETER.

BOLT	MIN GRIP	POSSIBLE QUICK RELEASE PIN REPLACEMENT
AN4-12A	1.0"	AVIBANK: BLC4B10S, BLC4TA10S, BLC4R10S, BLC4LA10S MS NUMBER: MS17984C410, MS17985C410, MS17986C410, MS17987C410 REID: BLRS-010, BLBS-010
AN4-16A	1.3"	AVIBANK: BLC4B13S, BLC4TA13S, BLC4R13S, BLC4LA13S MS NUMBER: MS17984C413, MS17985C413, MS17986C413, MS17987C413 REID: BLRS-020, BLBS-020

THE FOLLOWING OPTIONAL KITS ARE AVAILABLE FROM DART TO PROVIDE QUICK RELEASE CAPABILITY:

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		DSI 9052-011	QUICK RELEASE KIT, FOR D350-607-041/-043/-045/-047
	X	DSI 9052-013	QUICK RELEASE KIT, FOR D350-602-011
4	1	BLRS-010	QUICK RELEASE PIN (1" GRIP)
	3	BLRS-020	QUICK RELEASE PIN (1.5" GRIP)

IT IS ACCEPTABLE TO LEAVE THE D2230-1/3 CLAMPS INSTALLED ON THE CROSSTUBES WHEN THE BASKET OR POD IS REMOVED.

WEIGHT & BALANCE, FOR CLAMPS ONLY, IS 1.8lb (0.82kg) @ STA 135in (3.43m) & BL ±36in (±0.91m).

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED BY: <u>D. Shepherd</u> D. SHEPHERD (DE # 02)	
DATE:	04.03.23
CERT. NO.:	SH94-14
ISSUE NO.:	4

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED BY: <u>D. Shepherd</u> D. SHEPHERD (DE # 02)	
DATE:	04.03.23
CERT. NO.:	SH93-97
ISSUE NO.:	3

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